

G-211

This structure is a six-barreled corrugated metal culvert, located south of the point where L-31N Canal joins C-1W Canal. The control is effected by six manually operated sluice gates on the upstream end of the structure. Contract number is C-90-1001. Drawing number is C-111-21. Structure was completed in May 1991.

PURPOSE

The structure is a divide structure for L-31N Canal between the north section, S-335 to G-211, and the south section S-331 to G-211. The stage in the south section can be lowered to facilitate the drainage in the area along the south section without lowering the stage in the north section.

OPERATION

The operation of this structure is currently according to the IOP. G-211 is a manually operated structure with long response times and time-consuming operations. As a result, frequent gate operations at this structure are impracticable and stages outside its operating range may occur for several days. The goal is to keep stages generally between 5.5 ft. and 6.0 ft., upstream of the structure insofar as practicable. It is recognized that during flood control operations or making water supply deliveries that stages outside this range either high or low may occur for extended periods of time.

If the reach of L-31N Canal between G-211 and S-331 is higher than the reach between G-211 and Tamiami Trail, and S-331 is unable to pump due to downstream constraints, G-211 and S-338 may be opened to facilitate flow to the north and east through C-1N.

According to IOP, if downstream capacity is available.

No WCA-3A Regulatory Releases to SDCs or Shark Slough.	WCA-3A Regulatory Releases to SDCS
Open: 6.0	Open: 5.7
Close: 5.5	Close: 5.3

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DESCRIPTION OF STRUCTURE

Type Corrugated metal pipe with upstream control
Number of barrels 6
Size of barrels 72 inches
Length of barrels 60 feet
Flow line elevation -2.5 feet

GATES

Number 6
Size 72 inch square
Type vertical slide
Control manually operated lift

HYDRAULIC AND HYDROLOGIC MEASUREMENTS

Water Level Upstream and downstream staff gauges and remote digital recorders.
Gate Position Recorder Remote digital recorder on all gates

ACCESS: From Krome Avenue to intersection of L-31N levee and C-1W levee